

Todd R. Coulson

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Professional Profile

- Web developer, teacher, researcher, and constant learner are characteristics of my 17 year career.
 - Passion for Front End Web Development is my primary focus for creating and solving projects.
 - Ability to manage industry trends and tirelessly research new tools and languages.
 - Working knowledge of Agile development methods.
 - Accepted positions that extended current knowledge of JavaScript, Angular, Bootstrap, SQL and Responsive Web Design to become well rounded Full Stack developer.
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Technology

Development: JavaScript, AngularJS, JQuery, CSS, HTML 5, SQL, PHP, Subversion, Git, Adobe Flash, ActionScript, Adobe Flex (Flash Builder)

Graphic Design: Adobe Photoshop, Adobe Fireworks, Illustrator

Theory & Framework: Responsive Web Design, Design Patterns, MVC, OOP, Agile Development, SCRUM

Professional Experience

Solutions Developer

- Engineered Time Management system using Angular/Bootstrap on front end and Oracle PL SQL on the backend.
- Formulated working knowledge of SQL through the use of routing, services and ajax calls in Angular.

Interactive Developer

- Programmed HTML emails and test on multiple email clients.
- Implemented data relationships using Exact Target to create for various email scenarios using T-SQL.
- Utilized NodeJS to create a ClientFileChecker for verification of data types inside client Excel files.
- Collaborated efforts to recreate interactive graphs, charts, and formulas for multiple devices.
- Applied knowledge of JavaScript, JQuery, CSS and HTML5 concepts to display animation for charts.

Senior Technology Manager

- Project managed large scale projects with teammates to create timely and professional projects.
 - Researched and implemented projects dealing with Adobe Connect, MOOCS and Blackboard CourseSites. Discovered solutions for clients related to their LMS integration needs.
 - Worked with JavaScript, HTML, CSS, SASS, and Twitter Bootstrap framework to build Training Center for US Compliance Systems.
 - Customized a system with Yeoman and Node JS to develop interactive wireframes for the client.
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Employment

Feith Systems

Fort Washington, PA • Solutions Developer • 2016

Fulcrum Tech

Doylestown, PA • Technical Developer • 2015

Brookwood Media Arts

Lower Gwynedd, PA • Senior Technology Manager • 2013

Vanguard via TCS

Malvern, PA • Interactive Developer • 2012

Additional Employment

PointRoll • King of Prussia, PA • Interactive Developer

Developed projects, in agile environment, using in house flash api for advertisements. Assisted with JavaScript development to create OnPoint product.

Blue Diesel • Newtown, PA • Multimedia Developer

Developed Flash and Flex projects for wide range of pharmaceutical clients.

Comcast Interactive Media • Philadelphia, PA • Flex Engineer

Created public facing poll, screensaver and internal management desktop tool using Flex, ActionScript 3, and AIR.

Haley Productions • Media, PA • Senior Interactive Developer

Lead Developer managing timelines, and project requirements using innovative multimedia.

Teaching Experience

Chestnut Hill College • Chestnut Hill, PA • 1/2016-5/2016

- Taught Web Development with HTML and CSS as adjunct evening professor.

Philadelphia University • Philadelphia, PA • 1/2007-8/2008

- Taught Masters level Flash courses and Web Development course to enable students with the ability to create fully interactive game systems, projects using CSS not table layout, and event handling.

University of the Arts • Philadelphia, PA • 1/2008-8/2008

- Taught ActionScript for Continuing Education, students learned to make interactive games.

Wilmington College • Wilmington, DE • 8/2004-8/2005

- Taught Flash and Director classes to students obtaining master's degree in Multimedia Production.
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Published Author

Friends of ED • Various Locations • 3/2002-12/2002

- Contributing author of "Macromedia Flash MX Components Most Wanted."
- Developed a component to allow for a player chooser at the beginning of games.

Sams Publishing • Indianapolis, IN • 12/2001-12/2002

- Contributing author of "Macromedia Flash MX Unleashed."
 - Wrote four chapters including Publishing, Approaching ActionScript, Event Handlers, and Flash Debugging.
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Example Work

Websites

<http://www.toddcoulson.com>

<http://italy.beginimage.com>

Toddcoulson.com is the home for my portfolio site. Italy is a site created to explore possibilities of dynamic photo galleries using Flash, PHP image properties, and fileIO.

Education

Villanova University • Villanova, PA • 2013

- Masters of Software Engineering. Courseware completed consisted of Database & Computer Systems, Unit Testing, and Test Driven Development. Completed Grand Challenges project entitled *A Study of Responsive Web Design and Flexible Mobile Application Techniques through Recipe Finder* to complete program.

Art Institute of Philadelphia • Philadelphia, PA • 1999

- Associate of Specialized Technology Degree: Multimedia & Web Design.
- Outstanding Achievement Award awarded to the best overall student portfolio.

Marist College • Poughkeepsie, NY • 1996

- Bachelor of Science Degree: Business Administration concentrating in Marketing.
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Continuing Education

Attending: Udacity Full Stack Nano Degree Program (2016)

Attended: JavaScript Summit (2014), Agile Development Training (2012), Adobe Max (2011, 2008), An Event Apart (2005), Semi-Permanent (2005), FITC (2004), Flash Forward (2003, 2002, 2001, 2000), Photoshop WOW (2003, 2001).

Speaking Engagements

Organizations and Institutions: Flash Camp Philly, PACS (Philadelphia Area Computer Society), PANMA (Philadelphia Area New Media Association), Art Institute of Philadelphia.